

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 02968PC/IDJ	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/AU03/01146	International filing date (<i>day/month/year</i>) 5 September 2003	(Earliest) Priority Date (<i>day/month/year</i>) 6 September 2002
Applicant ALCHEMIA PTY LTD et al		

COPY

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of **4** sheets.



It is also accompanied by a copy of each prior art document cited in this report.

☐ **Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

☐ Unity of invention is lacking (See Box II).

4. With regard to the title, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract, ☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant. ☒ None of the figures

☐ because the applicant failed to suggest a figure

☐ because this figure better characterises the invention

A. CLASSIFICATION OF SUBJECT MATTERInt. Cl. ⁷: C07H 17/02, 17/08, A61K 31/7056, 31/7076, 31/4184, A61P 9/00, 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN: Chem Abs substructure based on claim 42

STN: Chem Abs, Medline, WPIDS, Keywords based on: protein kinase (and related), carbohydrate, saccharide, furanose, pyranose, monosaccharide, inhibit

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96/40705 A1 (GENSIA INC) 19 December 1996 See whole document	1-12, 14, 29-41
X	WO 01/32653 A1 (CEPHALON INC.) 10 May 2001 See especially claims 1 and 16-20 (regarding "R ⁶ "), and pages 3, 4, 13-15	1-11, 14, 29-41
A	EP 1 106 609 A2 (Seikagaku Corporation) 13 June 2001 See especially claims (re "Y"), page 8 lines 47-50	1-66



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

8 December 2003

Date of mailing of the international search report

15 DEC 2003

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorised officer

G. D. HEARDER

Telephone No : (02) 6283 2553

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C (Continuation).

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/41266 A1 (EMORY UNIVERSITY) 19 August 1999 See whole document	1-66
A	Chemical Abstracts, Vol. 125, Abstract 196213; Walczak K et al: "Synthesis of reversed azole nucleosides under the Mitsunobu reaction conditions", (& Polish Journal of Chemistry 1996, 70(7), 867-871) See Registry numbers 181043-89-0 and 181043-90-3	42-66

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/01146

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO 9640705	AU	13599/92	AU	50861/90	AU	52360/93	
	AU	61332/94	AU	61783/96	AU	62365/94	
	AU	63958/96	AU	64790/96	BG	102163	
	BR	9608625	BR	9609011	BR	9609013	
	CA	2008325	CA	2100863	CA	2154681	
	CA	2220642	CA	2247983	CA	2247984	
	CN	1190401	CZ	9703927	EP	0427799	
	EP	0496617	EP	0682519	EP	0684953	
	EP	0832091	EP	0832092	EP	0836613	
	FI	933303	HU	9802193	IE	920190	
	IL	100742	JP	5112595	MX	9200294	
	NO	904149	NO	932628	NO	975585	
	NZ	241381	PL	323904	SK	166097	
	US	5082829	US	5200525	US	5506347	
	US	5646128	US	5658889	US	5674998	
	US	5721356	US	5726302	US	5763596	
	US	5763597	US	5795977	US	5864033	
	WO	9009163	WO	9212718	WO	9417803	
	WO	9418215	WO	9640706	WO	9640707	
WO 0132653	AU	15811/01	BG	106771	BR	0015568	
	CA	2389807	CZ	20021569	EP	1226141	
	HU	0203203	NO	20022095	SK	6172002	
	US	6455525	US	2003162775			
EP 1106609	JP	2001226362	US	2001003741			
WO 9941266	AU	27644/99	CA	2320117	EP	1053243	
	US	6610835					
END OF ANNEX							

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